

**IN THE CLAIMS**

1-19. (canceled)

20. (currently amended) ~~The A wireless communication method according to Claim 19, of performing wireless communication of information using a transmission frame having an asynchronous access region in a contention access period and a channel-time-allocation access region in a contention free period, the method being under management of a control station in a wireless network, said wireless communication method comprising:~~

transmitting information in the asynchronous access region of the contention access period of the transmission frame;

determining an amount of information transmittable in the asynchronous access region during said transmission frame;

sending a channel time allocation request to the control station according to a result of said step of determining; and

transmitting at least a portion of the information using channel time allocated in the channel-time-allocation access region during said transmission frame,

wherein said step of transmitting information using channel time further comprises allocating a guaranteed time slot to transmit a remaining information not transmittable in said asynchronous access region of the transmission frame, and

wherein said step of allocating is performed without receiving an announcement of completion of channel time allocation communication from an upper-layer application.

21. (new) A wireless communication device for performing wireless communication of information using a transmission frame having an asynchronous access region in a contention access period and a channel-time-allocation access region in a contention free period under management of a control

station in a wireless network, said wireless communication device comprising:

- means for transmitting information in the asynchronous access region of the contention access period of the transmission frame;

- means for determining an amount of information transmittable in the asynchronous access region during said transmission frame;

- means for sending a channel time allocation request to the control station according to a result from said means for determining; and

- means for transmitting at least a portion of the information using channel time allocated in the channel-time-allocation access region during said transmission frame,

- said means for transmitting information using channel time comprises means for allocating a guaranteed time slot to transmit remaining information not transmittable in said asynchronous access region of the transmission frame without receiving an announcement of completion of channel time allocation communication from an upper-layer application.

22. (new) A wireless communication device for performing wireless communication of information using a transmission frame having an asynchronous access region in a contention access period and a channel-time-allocation access region in a contention free period under management of a control station in a wireless network, said wireless communication device comprising:

- a transmitting unit operable to transmit information in the asynchronous access region of the contention access period of the transmission frame;

- a determining unit operable to determine an amount of information transmittable in the asynchronous access region during said transmission frame;

- a sending unit operable to send a channel time allocation request to the control station according to a result from said determining unit; and

a transmitting unit operable to transmit at least a portion of the information using channel time allocated in the channel-time-allocation access region during said transmission frame,

said transmitting unit operable to transmit information using channel time comprising an allocating unit operable to allocate a guaranteed time slot to transmit remaining information not transmittable in said asynchronous access region of the transmission frame without receiving an announcement of completion of channel time allocation communication from an upper-layer application.

23. (new) A computer readable medium having stored thereon a computer program configured to be executable by a computer, the program being operable to execute a wireless communication method of performing wireless communication of information using a transmission frame having an asynchronous access region in a contention access period and a channel-time-allocation access region in a contention free period, the method being under management of a control station in a wireless network, said wireless communication method comprising:

transmitting information in the asynchronous access region of the contention access period of the transmission frame;

determining an amount of information transmittable in the asynchronous access region during said transmission frame;

sending a channel time allocation request to the control station according to a result of said step of determining; and

transmitting at least a portion of the information using channel time allocated in the channel-time-allocation access region during said transmission frame,

wherein said step of transmitting information using channel time further comprises allocating a guaranteed time slot to transmit a remaining information not transmittable in said asynchronous access region of the transmission frame, and

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wherein said step of allocating is performed without receiving an announcement of completion of channel time allocation communication from an upper-layer application.